



One Health, One Future

March 22-23, 2019



ONE HEALTH

University of Alaska Fairbanks



Welcome to Fairbanks



It is my pleasure to welcome you to Fairbanks for UAF's very first One Health, One Future meeting.

March is one of the best months to experience all Fairbanks has to offer. As the light returns, we celebrate with world-class dog mushing, ice art competitions and spectacular cultural events. It seems appropriate that during this season of hope and renewal, we should meet to address the challenges we face across our great state.

Our "One Health, One Future" theme reflects the very spirit of a One Health perspective because we can no longer work separately to meet the needs of the future. I strongly believe that all faculty members across the University of Alaska system, community stakeholders, and state and federal agency workers, as well as our many human and animal health care providers, have significant roles to play.

The work we're doing here has the potential to be meaningful and far-reaching. From the human health perspective, we are unique among One Health programs because we consider not only physical health but also mental, behavioral, cultural and spiritual health.

The skills and experiences that all of you bring to our team will help us to better understand and prioritize our challenges and build solutions that focus on resilience and sustainability in the North.

Over the next day and a half, we hope to inspire you with engaging presentations about One Health in Alaska. Breakout sessions will then prioritize issues best addressed by a One Health approach. Working groups will develop action plans. The goal is to build interdisciplinary, highly competitive teams to obtain large-scale, sustainable funding for One Health research, education and outreach programs.

I am grateful for the time and effort each of you has made to join us. I look forward to the collaborations we will build and take forward from this workshop.

Arleigh Reynolds, DVM, Ph.D., D.A.C.V.N.

Director of UAF's One Health initiative and professor of veterinary medicine



Tom Hennessy, M.D., M.P.H.

Director, Arctic Investigations Program

National Center for Emerging and Zoonotic Infectious Diseases

Tom Hennessy is the director of the Centers for Disease Control and Prevention's field station for infectious diseases in Anchorage. He is a graduate of Antioch College, the Mayo Medical School and Emory University's School of Public Health.

He is trained in family medicine and preventive medicine and is a graduate of the CDC Epidemic Intelligence Service. Hennessy has served in the U.S. Public Health Service since 1990. He represents CDC on the U.S. Interagency Arctic Research Policy Committee, which develops and implements the U.S. Arctic Research Plan.

He is the U.S. representative for the Arctic Human Health Experts Group, a multinational advisory group to the Arctic Council. Hennessy is an affiliate faculty member at University of Alaska Anchorage in the Department of Health Sciences.



Tina Woods, Ph.D.

Senior director for community health services,

Alaska Native Tribal Health Consortium

Tina Marie Woods is Aleut from St. Paul Island, Alaska, and Chamorro from the Island of Guam. She is a licensed clinical psychologist and holds a Ph.D. in clinical-community psychology with a rural Indigenous emphasis from the University of Alaska Anchorage and University of Alaska Fairbanks.

She has worked within the Alaska tribal health system for over 17 years and is currently the senior director of community health services at the Alaska Native Tribal Health Consortium. She provides leadership for epidemiology, wellness and prevention, community environment and health, clinical and research services, and behavioral health/dental health/community health aide programs — achieving the goals of the organization and its vision that Alaska Native people are the healthiest in the world.

She respectfully blends both Western science and Indigenous practices based on teachings from elders. She has dedicated her academic training and career to working with Alaska Native people to provide quality, holistic and comprehensive health services.



Friday, March 22, 2019

Noon — Registration is open

1 p.m. — Opening remarks at the Wood Center ballroom

Daniel M. White, chancellor, UAF

Larry Hinzman, vice chancellor for research, UAF

Evon Peter, vice chancellor for rural, community and Native education, UAF

1:20 p.m. — Welcome and introduction | Arleigh Reynolds, director of UAF's One Health initiative and professor of veterinary medicine

1:30 p.m. — Keynote speaker: Tom Hennessy, director, Anchorage field station for infectious diseases, Centers for Disease Control and Prevention

Results of the Alaska Zoonotic Disease Prioritization Workshop

One Health stakeholders met in March 2019 for a two-day workshop to develop a priority list of zoonotic diseases for Alaska. In this presentation, we will review the results of this workshop and discuss next steps to improve capacity and preparedness.

2 p.m. — Presentations

John Walsh, chief scientist, International Arctic Research Center, UAF

Climate Change and One Health

Climate change has impacted Alaska in subtle ways, ranging from the state's vegetative landscape to patterns of land use and even land ownership. In this presentation, we will highlight several major climatic trends in Alaska over the past 50 years, including the trends of extreme events that are among the most consequential manifestations of climate change.

2:15 p.m. — Karsten Hueffer, associate dean, Department of Veterinary Medicine, UAF

A One Health Approach to Zoonotic Diseases

Zoonotic diseases in an Arctic context, what we know and what we don't know, through examples of important pathogens for humans and subsistence species.

2:30 p.m. — Bob Gerlach, state veterinarian, Alaska Department of Environmental Conservation

Alaska Food Safety and Security

Overview of the results and recommendations from a food security working group formed during the 2017 One Health workshop during the Week of the Arctic and Arctic Council Ministerial meetings in Fairbanks.

2:45 p.m. — Mike Brubaker, director of community environment and health, Alaska Native Tribal Health Consortium

Applying Local Observations for One Health in Arctic Communities

Since 2012, the Alaska tribal health system has been tracking observations of unusual events as a way to understand environmental change and community impact. Find out how the Local Environmental Observer Network is being used to help inform One Health practitioners about present and emerging threats in Alaska and the circumpolar North.

3 p.m. — Coffee break

3:30 p.m. — Keynote speaker: Tina Woods, senior director for community health services, Alaska Native Tribal Health Consortium

A One Health Approach: Working Together to Create Wellness Among All Living Things

This presentation recognizes culture and spirituality as the foundation of health and wellness, and all the interconnectedness of all living things. Widespread expertise across disciplines is essential for better understanding and increased communication to achieve holistic wellness in today's world.

4 p.m. — Presentations (cont.)

Stacy Rasmus, director, Center for Alaska Native Health Research, UAF

Alaska Native Collaborative Hub for Research on Resilience: Community-Driven Cultural Strengths and Protections

The Alaska Native Collaborative Hub for Research on Resilience is an initiative aimed at strengthening existing research partnerships and developing new partnerships, thereby broadening the potential impacts from suicide prevention research efforts throughout Alaska and the Arctic.

ANCHRR includes a three-region research project that will highlight what Alaska Native rural communities are doing to support young people and promote their well-being, rather than focus exclusively on risks and problems. The Alaska Native Community Resilience Study seeks to identify pathways from larger social and community processes down to individual, youth experiences, which can inform a wide variety of prevention efforts.

4:15 p.m. — Jim Berner, science director, Alaska Native Tribal Health Consortium

Biomonitoring, a Critical Component of One Health: The Role of the Arctic Council in the Development of Circumpolar Environmental Biomonitoring Programs

Discussion on human and environmental health monitoring programs, the Arctic Monitoring and Assessment Program and the Maternal Organics Monitoring Study, and the role of the Arctic Council in the development of a circumpolar environmental biomonitoring program.

4:30 p.m. — Arleigh Reynolds, director of UAF's One Health initiative & **Brian Barnes**, director of IAB

One Health Education Programs

At UAF, we are developing educational programs that focus on building One Health skills to gather information and work toward adaptive and resilient approaches to problem management. We're working across the University of Alaska system and across Alaska to incorporate One Health into educational programs from K-12 through the Ph.D. degree.

4:45 p.m. — Amy Lauren Lovcraft, director, Center for Arctic Policy Studies, UAF

One Health in Policy: Science, Policy and Community Futures

The future of remote rural communities in Alaska, and other Arctic locations, is far from secure. What science is needed to form strategies of resilience, and how must policies change to foster positive trends? Scenarios-thinking can benefit local-scale management and self-determination efforts in designing strategies to drive science, integrate Indigenous knowledge and address policies related to community resilience.

6-8 p.m. — Welcome reception at the University of Alaska Museum of the North

Join us for food and live music by Fireweed Fiddle and a performance from the Pavva Inupiaq Dancers of Fairbanks!

Saturday, March 23, 2019

8 a.m. — Registration is open | morning coffee

9 a.m. — Plenary panel at the Wood Center ballroom | Moderated by Arleigh Reynolds

Review of Friday's presentations

Brian Barnes, Institute of Arctic Biology

Jim Berner, Alaska Native Tribal Health Consortium

Michael Brubaker, Alaska Native Tribal Health Consortium

Tom Hennessy, Centers for Disease Control and Prevention

Karsten Hueffer, Department of Veterinary Medicine, UAF

Tuula Hollmén, College of Fisheries and Ocean Sciences, UAF

Amy Lauren Lovcraft, Center for Arctic Policy Studies, UAF

Stacy Rasmus, Center for Alaska Native Health Research, UAF

John Walsh, International Arctic Research Center, UAF

10 a.m. — Coffee break

10:30 a.m. — Breakout session | Moderated by Arleigh Reynolds and Bob Gerlach

What Are the Large Issues We Can Best Address Through a One Health Approach?

This session will focus on identifying and prioritizing issues in Alaska that can be addressed through a One Health approach.

Noon — Moderated report back to the group

12:30 p.m. — Gene Tagaban, *Spirit in All Things*

12:40 p.m. — Lunch

2 p.m. — Moderated breakout session

Creation of One Health Working Groups With Set Goals for 2019-2020

This session is focused on developing working groups that will address the issues identified in the morning sessions. The goal is to build support for research, education and outreach programs that operationalize understanding and management of these problems.

Action steps and continued efforts from the group will be planned for the subsequent 12 months.

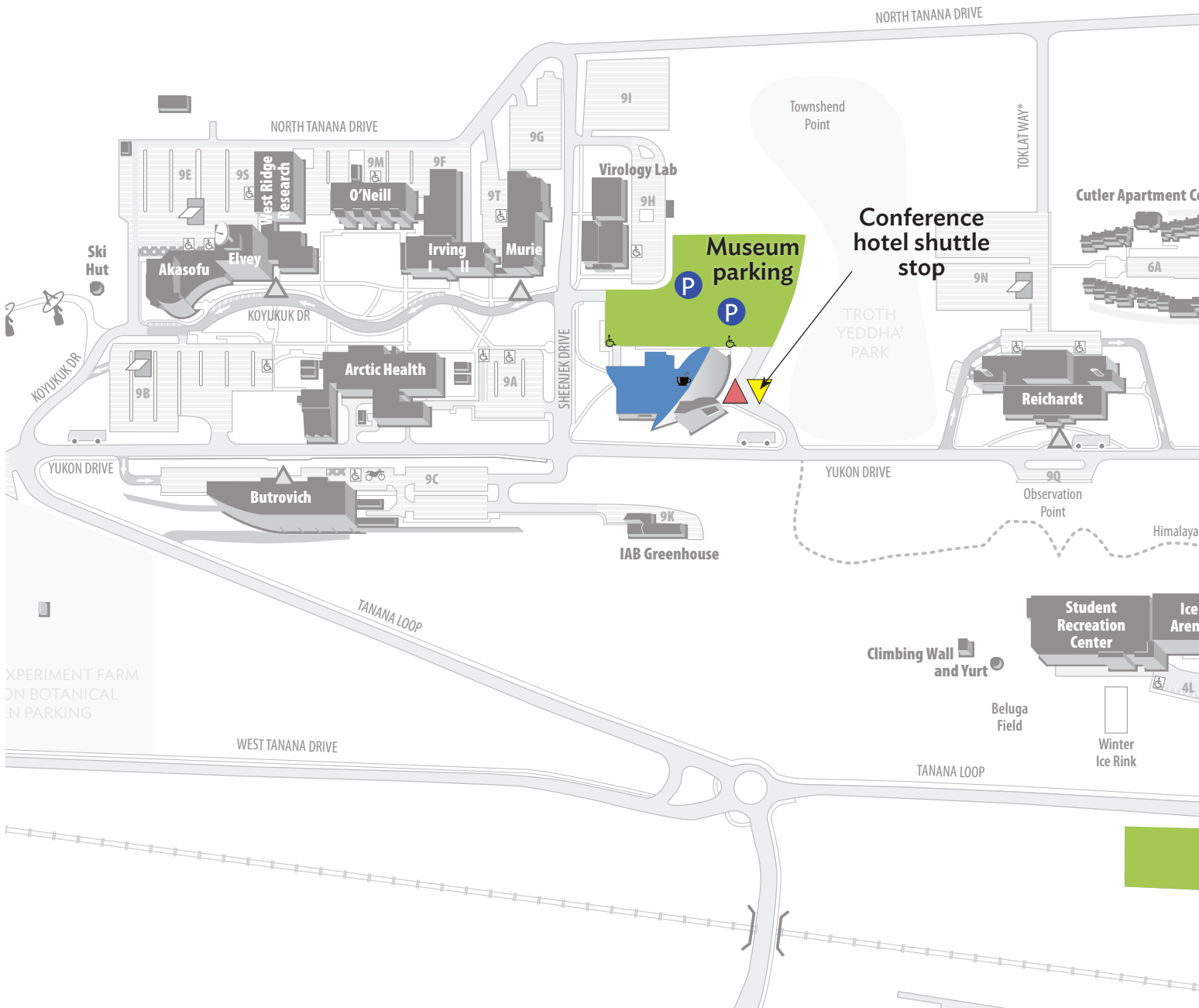
3 p.m. — Report back to group | Moderated by Arleigh Reynolds

Our Next Steps




3:30 p.m. — End of program





Campus map



Key

-  Conference facilities
-  Charging station
-  Coffee available

Transportation

-  Conference hotel shuttle stop
-  UAF campus shuttle stops



Parking

- Available parking
- P Parking permit kiosk

Disabled parking permits are available through the Alaska Division of Motor Vehicles. For temporary campus disabled permits, contact UAF Parking Services and present medical documentation.

For up-to-date parking information, visit www.uaf.edu/parking/ or call 474-7275.



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